

What is claimed is:

1. An isolated nucleic acid molecule selected from the group consisting of:

a) a nucleic acid comprising the nucleotide sequence of SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:4, or SEQ ID NO:6, or a full complement thereof; and

b) a nucleic acid molecule which encodes a polypeptide comprising the amino acid sequence of SEQ ID NO:2 or SEQ ID NO:5.

2. The nucleic acid molecule of claim 1, further comprising vector nucleic acid sequences.

3. The nucleic acid molecule of claim 1, further comprising nucleic acid sequences encoding a heterologous polypeptide.

4. A host cell which contains the nucleic acid molecule of claim 1.

5. An isolated polypeptide comprising the amino acid sequence of SEQ ID NO:2 or SEQ ID NO:5.

6. The polypeptide of claim 5 further comprising heterologous amino acid sequences.

7. An antibody or antigen-binding fragment thereof that selectively binds to a polypeptide of claim 5.

8. A method for producing a polypeptide comprising the amino acid sequence of SEQ ID NO:2 or SEQ ID NO:5, the method comprising culturing the host cell of claim 4 under conditions in which the nucleic acid molecule is expressed.

9. A method for detecting the presence of a polypeptide of claim 5 in a sample, comprising:

a) contacting the sample with a compound which selectively binds to a polypeptide of claim 8; and

b) determining whether the compound binds to the polypeptide in the sample.

10. The method of claim 9, wherein the compound which binds to the polypeptide is an antibody.

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2 11. A kit comprising a compound which selectively binds to a polypeptide of claim 5 and
3 instructions for use.

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2 12. A method for detecting the presence of a nucleic acid molecule of claim 1 in a sample,
3 comprising the steps of:

4 a) contacting the sample with a nucleic acid probe or primer which selectively
5 hybridizes to the nucleic acid molecule; and

6 b) determining whether the nucleic acid probe or primer binds to a nucleic acid molecule
7 in the sample.

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2 13. The method of claim 12, wherein the sample comprises mRNA molecules and is
3 contacted with a nucleic acid probe.

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2 14. A kit comprising a compound which selectively hybridizes to a nucleic acid molecule of
3 claim 1 and instructions for use.

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2 15. A method for identifying a compound which binds to a polypeptide of claim 5
3 comprising the steps of:

4 a) contacting a polypeptide, or a cell expressing a polypeptide of claim 5 with a test
5 compound; and

6 b) determining whether the polypeptide binds to the test compound.

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2 16. A method for modulating the activity of a polypeptide of claim 5, comprising
3 contacting a polypeptide or a cell expressing a polypeptide of claim 5 with a compound which
4 binds to the polypeptide in a sufficient concentration to modulate the activity of the polypeptide.

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2 17. A method of inhibiting aberrant activity of a 21627 or 55562-expressing cell,
3 comprising contacting a 21617 or 55562-expressing cell with a compound that modulates the
4 activity or expression of a polypeptide of claim 5, in an amount which is effective to reduce or
5 inhibit the aberrant activity of the cell.

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2 18. The method of claim 17, wherein the compound is selected from the group consisting of
3 a peptide, a phosphopeptide, a small organic molecule, and an antibody.

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2 19. The method of claim 17, wherein the cell is a 21617-expressing cell located in a
3 cancerous or pre-cancerous tissue.

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5 20. The method of claim 19, wherein the cancerous or pre-cancerous tissue is found in
6 the colon, lung, liver, or cervix.

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8 21. A method of treating or preventing a disorder characterized by aberrant activity of a
9 21617 or 55562-expressing cell, in a subject, comprising:

10 administering to the subject an effective amount of a compound that modulates the
11 activity or expression of a protein molecule of claim 5, such that the aberrant activity of the
12 21617 or 55562-expressing cell is reduced or inhibited.

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14 22. The method of claim 21, wherein the cell is a 21617-expressing cell located in a
15 cancerous or pre-cancerous tissue.